500.41092X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

M. NISHIOKA, et al

Serial No.:

10/046,224

ling Date:

January 16, 2002

PUBLIC-KEY CRYPTOGRAPHIC SCHEMES SECURE AGAINST AN ADAPTIVE CHOSEN CIPHERTEXT ATTACK IN THE STANDARD

MODEL

Examiner:

Not assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 & 1.98

Assistant Commissioner for Patents Washington, D.C. 20231 February 26, 2002

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted within three months of the filing date.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (500.41092X00) please credit any excess fees to such deposit account.

Respectfully submitted,

Carl I. Brundidge

CIB/jdc Registration No. 29,621 (703) 312-6600 ANTONELLI, TERRY,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

FORM PTO-1449

U.S. Department of Commerce

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10/046,224

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APPLICANT

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

V.S. Miller, "Use of Elliptic Curves in Cryptography", Proc. Of Crypto' 85, LNCS218, Springer-Verlag, pp. 417-426 (1985).
S. Goldwasser et al "Probabilistic Encryption, JCSS, 28, 2, pp. 270-299 (1984).
 M. Blum et al, "An Efficient Probabilistic Public-Key Encryption Scheme which hides all partial Information", Proc. Of Crypto '84, LNCS196, Springer-Verlag, pp. 289-299 (1985).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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U.S. PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

 S. Goldwasser et al, "Lecture Notes on Cryptography", http://www-
 cse,ucsd.edu/users/mihir/(1997).
T. Okamoto et al "A New Public-key Cryptosystem as Secure as Factoring, Proc. Of Eurocrypt '98, LNCS1403, Springer Veriag, pp. 308-318, (1998).
M. Bellare et al, "Optimal Asymmetric Encryption How to Encrypt with RSA, Proc., of Eurocrypt '94, LNCS950, Springer Verlag, pp. 92-111 (1994).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

R. Cramer et al "A Practical Public Key Cryptosystem Provably Secure Against Adaptive Chosen Ciphertext Attack, Proc. Of Crypto '98, LNCS1462, Springer-Verlag, pp. 13-25, (1998).
M. Bellare et al "Relations Among Notions of Security for Public-key Encryption Schemes, Proc. Of Crypto '98, LNCS1462, Springer Verlag, pp. 26-45 (1998).

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